

ANNUAL COMPLIANCE REPORT OF MISSOURI PUBLIC WATER SYSTEMS



Macon Public Water System



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

2024

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Summary

In Missouri, the Missouri Department of Natural Resources' Public Drinking Water Branch is responsible for implementing the Safe Drinking Water Act to assist the state's 2,804 public water systems in providing safe drinking water. The department establishes regulatory limits and monitors for 91 different chemical and microbiological contaminants in public water supplies. This report provides information on how well Missouri's public water systems are meeting these standards.

This report is the 29th Annual Compliance Report produced by the department. It contains compliance statistics for Missouri's public water systems for calendar year 2024. The report shows that 98% of Missouri's population that is served by a community public water system received water that met all health-based standards during this period, compared to 2023, when the percentage was 98.3%.

The department prepares this report annually to comply with statutory obligations of the federal Safe Drinking Water Act and to provide the public with a better understanding of the importance of safe and abundant drinking water. The department will provide this report to the U.S. Environmental Protection Agency, who will use the information to prepare a national report on the performance of the nation's public drinking water systems.

What is a Public Water System?

A public water system provides drinking water through piping or other constructed conveyances for human consumption to at least 15 service connections or serves an average of at least 25 people for at least 60 days each year.

There are three types of public water systems:

1. **Community systems** include towns, water districts, subdivisions, mobile home parks, and residential facilities, such as nursing homes or prisons.
2. **Nontransient noncommunity systems** regularly serve the same people per day, at least six months per year. Examples include schools and factories.
3. **Transient noncommunity systems** serve at least 25 people per day, at least 60 days of the year. Examples include restaurants, resorts, and campgrounds. These smaller systems are typically located in rural areas where it is not feasible to connect to a municipal water supply or a water district.

The department's requirements for construction, operation, and monitoring for systems vary based on their type, population, and water source. For systems that are not public water systems, such as homes served by private wells, local and county public health agencies and the Missouri Department of Health and Senior Services facilitate water testing. Data for these private systems are not included in this report.

The Missouri Public Water System Universe

In 2024, there were 2,804 active public water systems in Missouri. Of this total, 1,437 were community, 223 were nontransient noncommunity, and 1,144 were transient noncommunity systems.

Missouri’s community water systems served more than 5.5 million residents. The Missouri River remains the largest source of drinking water for Missourians. The river’s abundant water supply and its proximity to the state’s major population centers make it a valuable resource to the communities that draw from it.

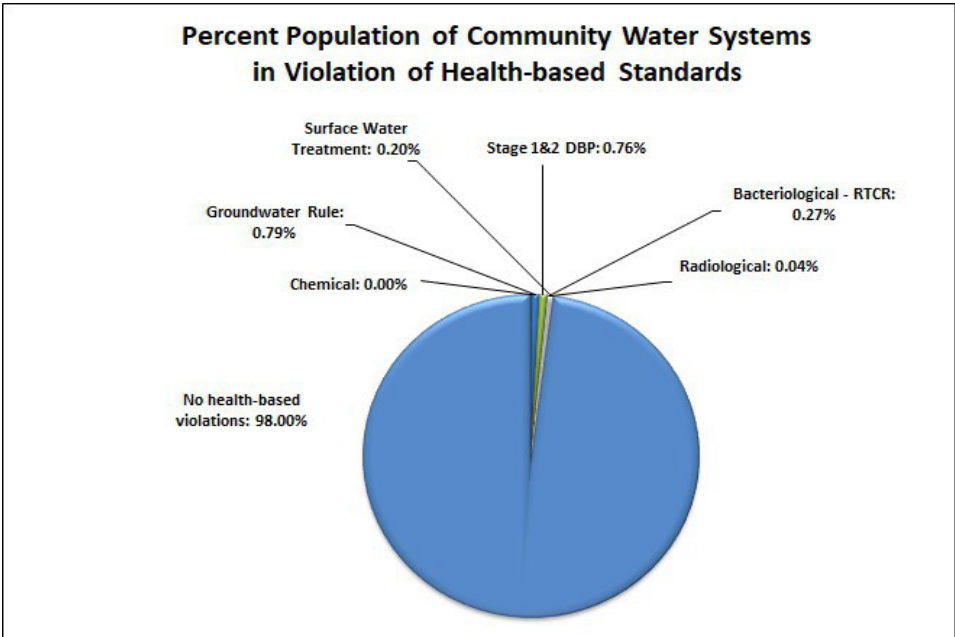
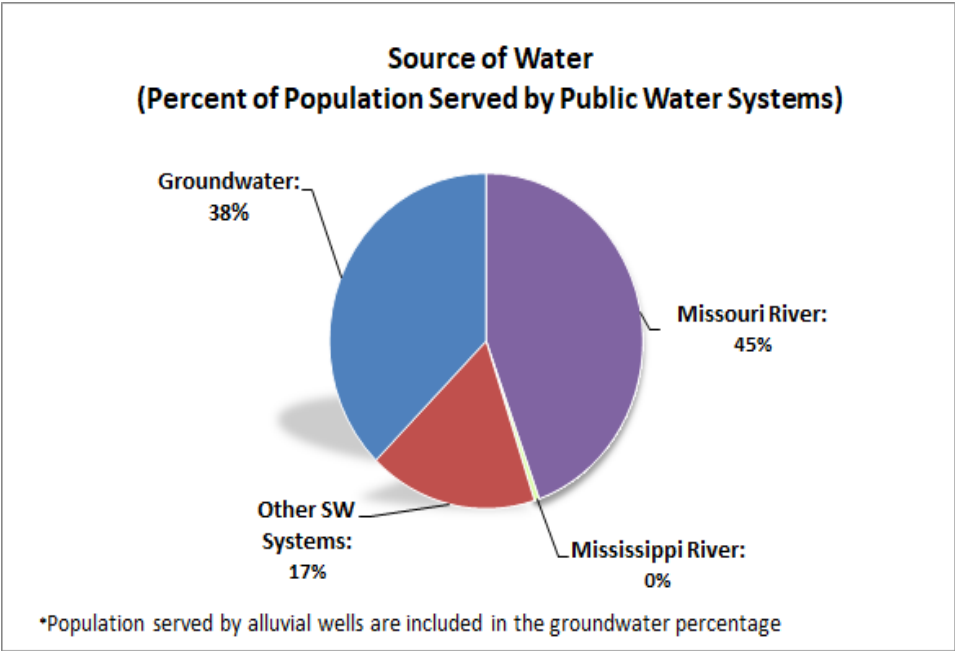
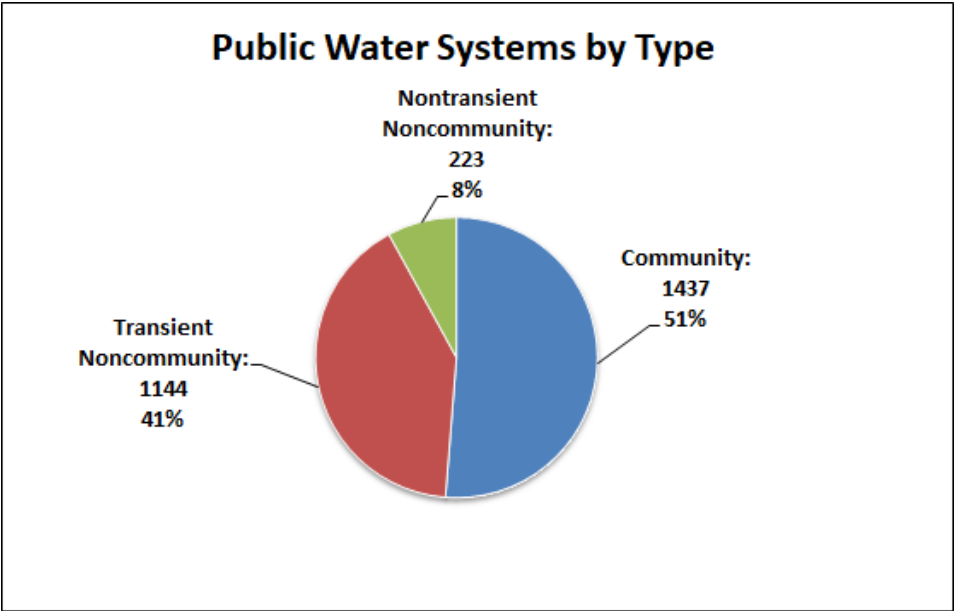
Groundwater is the next most common source of drinking water for community water supplies. In southern Missouri, high-quality groundwater is easy to obtain and typically requires very little treatment for use as drinking water. Public water systems utilizing groundwater as their source serve 37.6% of Missourians who receive their water from a public water system.

All other public water system customers receive their water from community systems that draw from other types of surface water sources. Particularly prevalent in the northern part of Missouri, these sources include rivers and reservoirs.

Analysis of Compliance

Missouri requires testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. The Summary of Violations Table in this report counts individual violations by contaminant type. These counts may include multiple violations for the same system, depending on the monitoring schedule for the particular contaminant.

Appendices A and B list specific systems by county that have had violations of different drinking water rules. These rules include the Revised Total Coliform Rule, Radionuclide Rule, Stage 2 Disinfectants and Disinfection Byproduct Rule and the Surface Water Treatment Rule.

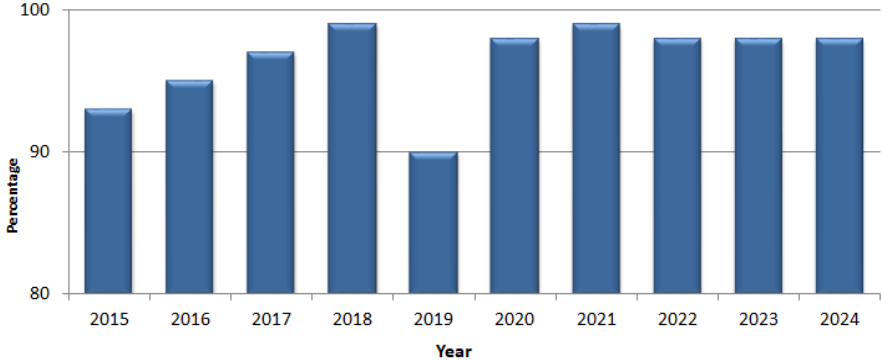


Maximum Contaminant Level (MCL) and treatment technique violations represent the most significant impact on public health. In 2024, 98% of Missouri public water supply customers had water that met all MCL and treatment technique requirements. The Drinking Water Trends Community Systems Chart shows the 10-year trend for this measure.

Because the above measure counts all MCL and treatment technique violations throughout the year with no consideration given to the duration of the violation, EPA and the states developed an additional compliance measure called “person-months.” This measure represents the population served by community water systems that meet health-based standards on a monthly basis. Missouri achieved 99.3% compliance with this measure in 2024.

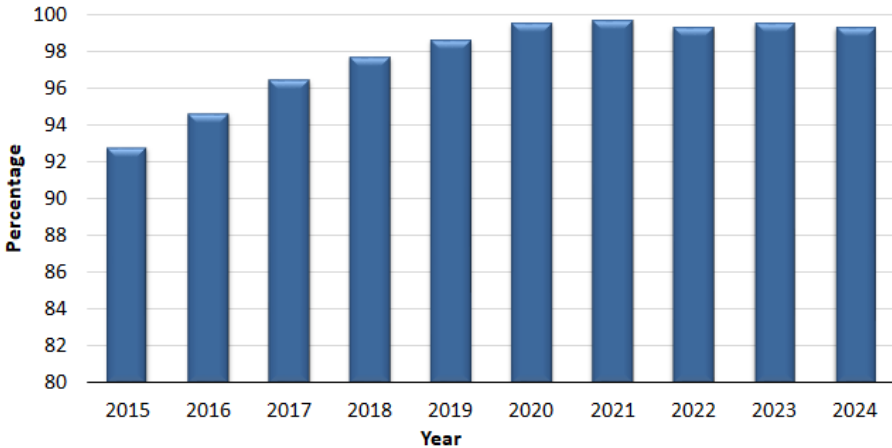
EPA calculates many of the MCL and treatment technique violations based on chronic (long-term, regular, and consistent) exposure. EPA’s MCL violations based on acute (short-term) exposure can include turbidity exceedances or E.coli detections. In 2024, the department issued 26 violations for acute E.coli to 24 public water systems, equal to 0.89% of all Missouri systems. All of these violations were associated with the detection of E.coli.

**Drinking Water Trends Community Systems:
Population Served Meeting All Health-based Requirements**

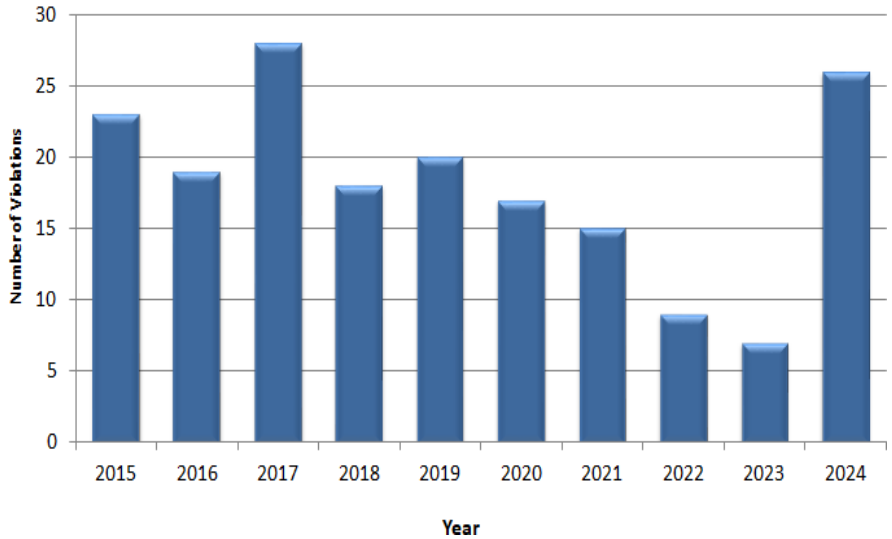


The lower compliance percentage for 2019 reflects violations issued to systems impacted by flooding.

% Person-Months Measured



E. coli Acute MCL Violations



How to Find More Information on Your Water System

Community water systems must distribute consumer confidence reports annually to water customers. These reports provide detailed information about sources and levels of contaminants in the drinking water and must list all violations of state and federal requirements for the calendar year. In 2024, 94.4% of Missouri's community water systems distributed their consumer confidence reports properly. You may obtain a copy of the consumer confidence report for your public water system by contacting your service provider or the department's consumer confidence report website at [dnr.mo.gov/water/how-water/we-drink/drinking-reports/consumer-confidence](https://dnr.mo.gov/water/how-water-we-drink/drinking-reports/consumer-confidence).

The department also maintains the Drinking Water Watch (soon to be Drinking Water Viewer) website at dnr.mo.gov/DWW/DNRLogin.jsp. This resource provides additional information on all of Missouri's public drinking water systems, including information on inventories, sample results, compliance activities, and water quality.

For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Water Branch, P.O. Box 176, Jefferson City, MO 65102-0176, or by calling 800-361-4827 or 573-751-0124.

Information is also available online at dnr.mo.gov/water/how-water/we-drink.



Macon Public Water System

Explanation of Terms in Violations Tables

The following descriptions apply to the violations table.

Filtered Systems: Water systems that have installed filtration treatment [10CSR 60-4.050].

Ground Water Rule: A rule (10 CSR 60-4.025) that requires monitoring of groundwater sources for E. coli contamination. It relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

Inorganic Contaminants: Non-carbon-based compounds, such as metals, fluoride, and nitrates. These contaminants are naturally occurring in some water but can also enter water through human activities [10 CSR 60-4.030].

Lead and Copper Rule: A rule (10 CSR 60, Chapter 15) to address lead and copper corrosion, which poses health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures. Violations are reported for: failure to monitor; failure to install optimal corrosion-control treatment or a source-water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and failure to provide required public education about reducing or avoiding lead intake from drinking water.

Maximum Contaminant Level (MCL): The highest amount of a contaminant allowed in drinking water. MCLs ensure drinking water does not pose a health risk and are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: Sampling and analytical testing specified by the department, including testing methods, and frequency [10 CSR 60-4.010]. Failure to test and failure to report results timely are significant monitoring violations.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally enter water through runoff from cropland or discharge from factories [10CSR 60-4.040 and 4.100].

Radionuclides: Radioactive particles that occur naturally in water or result from human activity. Safe drinking water regulations set MCLs on five types of radionuclides: radium-226, radium-228, uranium, gross alpha, and beta particle/photon radioactivity [10 CSR 60-4.060].

Surface Water Treatment Rule: A series of rules, promulgated from 1989-2009, that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term1 Enhanced Surface Water Treatment Rule, Long Term2 Enhanced Surface Water Treatment Rule) [10 CSR60-4.050and60-4.052].

Treatment Techniques: Enforceable procedures or levels of technological performance that public water systems must follow to ensure control of contaminants for which no MCL is established. For example, EPA established for viruses, bacteria, turbidity, and failure to correct a significant deficiency.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants: Jan. 1, 2024 -Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Organic Contaminants							
1,1,1-Trichloroethane	0.2	0	0			7	6
1,1,2-Trichloroethane	0.005	0	0			7	7
1,1-Dichloroethylene	0.007	0	0			7	6
1,2,4-Trichlorobenzene	0.07	0	0			7	6
1,2-DCBP	0.0002	0	0			0	0
1,2-Dichloroethane	0.005	0	0			7	6
1,2-Dichloropropane	0.005	0	0			7	6
2,3,7,8-TCDD(Dioxin)	3x10 ⁸	0	0			1	1
2,4,5-TP	0.05	0	0			0	0
2,4-D	0.07	0	0			0	0
Alachlor	0.002	0	0			0	0
Aldicarb	0.003	0	0			0	0
Aldicarb Sulfone	0.002	0	0			0	0
Aldicarb Sufoxide	0.004	0	0			0	0
Atrazine	0.003	0	0			1	1
Benzene	0.005	0	0			7	7
Benzo[a]pyrene	0.0002	0	0			0	0
BHC Gamma	0.0002	0	0			0	0
Carbofuran	0.04	0	0			0	0
Carbontetrachloride	0.005	0	0			7	6
Chlorobenzene	0.1	0	0			7	6
Chlordane	0.002	0	0			0	0
cis-1,2-Dichloroethylene	0.07	0	0			7	6
Dalapon	0.2	0	0			0	0

D(2-ethylhexyl)adipate	0.4	0	0			0	0
D(2-ethylhexyl)phthalate	0.006	0	0			0	0
Dichloromethane	0.005	0	0			7	6
Dinoseb	0.007	0	0			0	0
Diquat	0.02	0	0			0	0
Endothall	0.1	0	0			0	0
Endrin	0.002	0	0			0	0
Ethylbenzene	0.7	0	0			7	6
Ethylene dibromide	0.00005	0	0			0	0
Glyphosate	0.7	0	0			0	0
Heptachlor	0.0004	0	0			0	0

1. Values are in milligrams per liter (mg/L), unless otherwise specified.
2. Shaded areas indicate a violation is not applicable in this category.

Organic Contaminants: Jan. 1, 2024 -Dec. 31, 2024

	MCL (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Heptachlor epoxide	0.0002	0	0			0	0
Hexachlorobenzene	0.05	0	0			0	0
Hexachlorobenzene	0.001	0	0			0	0
Hexachlorocyclopentadiene	0.05	0	0			0	0
Lasso	0.05	0	0			1	1
Lindane	0.0002	0	0			0	0
Methoxychlor	0.04	0	0			0	0
Monochlorobenzene	0.1	0	0			0	0
oDichlorobenzene	0.6	0	0			7	6
Oxamyl(Vydate)	0.2	0	0			0	0
ParaDichlorobenzene	0.075	0	0			7	6
Pentachlorophenol	0.001	0	0			0	0
Picloram	0.5	0	0			0	0
Simazine	0.004	0	0			1	1
Styrene	0.1	0	0			7	6
Tetrachloroethylene	0.005	0	0			7	6
Toluene	1	0	0			7	6
Total PCB	0.0005	0	0			0	0
Toxaphene	0.003	0	0			0	0
Trans-1,2-Dichloroethylene	0.1	0	0			7	6
Trichloroethylene	0.005	0	0			7	6
Vinylchloride	0.002	0	0			7	6
Xylenes (total)	10	0	0			7	6

Disinfection Byproducts Rule: Jan. 1, 2024 -Dec. 31, 2024

		MCL		Treatment Techniques		Significant Monitoring/Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Total trihalomethanes	0.80	24	12			42	40
Chlorine Dioxide						2	2
Chlorite	1.00	2	1			3	2
Haloacetic acids	0.60	14	8			42	40
Disinfection byproducts		40	16			4	2
Total Organic Compounds				9	4		
Insufficient or Non-certified Operator				14	14		

Inorganic Contaminants: Jan. 1, 2024 -Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/ Reporting	
	MCL(mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of System Violations
Inorganic Contaminants							
Antimony	0.006	0	0	0	0	3	3
Arsenic	0.010	1	1	0	0	3	3
Asbestos	7millionfiber s/L	0	0	0	0	0	0
Barium	2	0	0	0	0	3	3
Beryllium	0.004	0	0	0	0	3	3
Cadmium	0.005	0	0	0	0	3	3
Chromium	0.1	0	0	0	0	3	3
Cyanide (as free cyanide)	0.2	0	0	0	0	1	1
Fluoride	4.0	0	0	0	0	3	3
Mercury	0.002	0	0	0	0	3	3
Nitrate	10(as nitrogen)	0	0	0	0	0	0
Nitrite	1(as nitrogen)	0	0	0	0	0	0
Selenium	0.05	0	0	0	0	3	3
Thallium	0.002	0	0	0	0	3	3
Total nitrate and nitrite	10(as nitrogen)	0	0	0	0	80	77

Radiological Contaminants: Jan. 1, 2024 - Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL (pCi/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Radiological Contaminants							
Gross Alpha	15pCi/L	2	1			0	0
Radium-226 and radium-228	5pCi/L	20	8			0	0
Gross beta	4mrem/yr	0	0			0	0
Subtotal		22	8			0	0

Microbiological Contaminants: Jan. 1, 2024 – Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL Presence/ Absence	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Revised Total Coliform Rule							
Acute MCL Violations	Presence	26	24				
Level 1 Assessment Violations				42	42		
Level 2 Assessment Violations				0	0		
Treatment Technique, Other				16	9		
Major Routine						564	353
Minor Routine						75	66
Reporting/Notification						70	57
Subtotal		26	24	58	51	709	445

Some systems may have violations in multiple categories.

Surface Water Treatment Rule: Jan. 1, 2024 – Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Surface Water Treatment							
Filtered Systems							
Monitoring, routine/repeat						53	13
Treatment Techniques				12	5		
Unfiltered Systems							
Monitoring, routine/repeat							
Failure to Filter							
Subtotal				12	5	53	13

Lead and Copper Rule: Jan. 1, 2024 – Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Lead and Copper Rule							
Initial lead and copper tap monitoring and reporting						2	2
Follow-up or routine lead and copper tap monitoring and reporting						20	20
Treatment Installation				0	0		
Public education				0	0	131	131
Subtotal				0	0	153	153

Public Notification: Jan. 1, 2024 – Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Public Notification						224	168
Consumer Confidence Reports ¹						80	80
Subtotal						304	236

¹Violations for failure to produce and distribute the 2023 Consumer Confidence Report in 2024.

Groundwater Rule: Jan. 1, 2024 – Dec. 31, 2024

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Ground Water Rule							
Failure to treat				11	7		
Failure to address contamination				0	0		
Failure to address deficiency				50	44		
Public notice						1	1
Sanitary Survey						31	28
Major routine and follow up monitoring						191	109
Subtotal				61	51	208	121

Appendix A: Health Based Compliance

I. Revised Total Coliform Rule - Acute MCL Violations

The following systems were under boil water orders due to acute MCL violations for E. coli bacteria for the months

County	ID#	System Name	Month(s)	Issue	Rescind
BARRY	MO5270216	MT OLIVE BAPTIST CHURCH	April	5/9/2024	5/29/2024
BARRY	MO5270216	MT OLIVE BAPTIST CHURCH	May	6/7/2024	6/27/2024
BARRY	MO5273407	WAYMARK CHURCH	May	6/7/2024	12/20/2024
BOLLINGER	MO4242786	ARROWHEAD CAMPGROUNDS INC	June	6/28/2024	7/18/2024
CAMDEN	MO3190757	CEDAR GREEN	August	10/8/2024	10/21/2024
CAMDEN	MO3302604	NIANGUA VISTA CONDOMINIUMS	April	5/9/2024	5/10/2024
CEDAR	MO5172802	AGAPE LAND MANAGEMENT	June	6/18/2024	8/1/2024
DALLAS	MO5283421	DOLLAR GENERAL #25913 BUFFALO	July	8/1/2024	4/3/2025
GENTRY	MO1010006	ALBANY PWS	May	5/21/2024	5/24/2024
GREENE	MO5272759	SPRINGHILL BAPTIST CHURCH	November	11/15/2024	12/3/2024
JASPER	MO5241754	BALLARDS CAMPGROUND	April	5/2/2024	6/11/2024
LAWRENCE	MO5213394	CHIQUIS COCINA RESTAURANT	October	11/4/2024	11/12/2024
MILLER	MO3243421	CJ RV PARK	April	5/28/2024	7/2/3024
NEWTON	MO5190928	BUDGET INN	November	11/21/2024	1/7/2025
NEWTON	MO5243412	MUNDYS RV PARK	September	9/13/2024	10/22/2024
OZARK	MO5240536	DAWT MILL AND CAMPGROUND	October	11/20/2024	03/14/2025
OZARK	MO5010297	GAINESVILLE PWS	August	8/23/2024	8/22/2024
PETTIS	MO3048254	CRESTVIEW MHP	January	2/5/2024	2/2/2024
REYNOLDS	MO4243133	LOGAN VALLEY CHRISTIAN RETREAT	January	2/5/2024	2/29/2024
ST CHARLES	MO6163066	TOWNE PARK	April	5/30/2024	6/3/2024
ST CHARLES	MO6163066	TOWNE PARK	July	8/22/2024	8/5/2024
ST FRANCOIS	MO4292597	SHERRYS	July	8/7/2024	08/16/2024
STONE	MO5031499	DISCOVERY BAY AT NORWALK LANDING	October	10/21/2024	11/12/2024
TANEY	MO5243414	OZARK BEACH RESORT	March	4/02/2024	04/26/2024
TANEY	MO5191008	VICKERY RESORT CONDOMINIUMS	May	5/30/2024	
WASHINGTON	MO4213400	SAUCYS PIZZERIA	March	3/28/2024	4/15/2024

Note: If no "Rescind Date," the boil order was still in effect at time of printing.

Appendix A: Health Based Compliance

II. Revised Total Coliform Rule - Treatment Technique Violations

County	ID#	System Name	Violation Type
BARRY	MO5243435	CAMP EAGLE ROCK	Failure to Correct Sanitary Defect
BARRY	MO5210653	MITCHELLS PLAZA	Failure to Conduct Level 1 Assessment
BARRY	MO5270216	MT OLIVE BAPTIST CHURCH	Failure to Correct Sanitary Defect
BENTON	MO3100031	BEYONDER MARINE AT STERETT CREEK LL	Failure to Conduct Level 1 Assessment
CALLAWAY	MO3240054	HANSON HILLS	Failure to Conduct Level 1 Assessment
CAMDEN	MO5253022	MAPLE HILL SUBDIVISION	Failure to Conduct Level 1 Assessment
CAMDEN	MO5213112	SUBWAY #56772	Failure to Conduct Level 1 Assessment
CAMDEN	MO3292426	Z7 TRADING POST	Failure to Conduct Level 1 Assessment
CEDAR	MO5238288	AIRPORT VILLAGE MHP	Failure to Correct Sanitary Defect
CEDAR	MO5238288	AIRPORT VILLAGE MHP	Failure to Conduct Level 1 Assessment
FRANKLIN	MO6192601	CEDAR CREEK CONFERENCE CENTER	Failure to Conduct Level 1 Assessment
FRANKLIN	MO6283011	NAT ASSOC INTERCULTURAL FAM MISSIO	Failure to Conduct Level 1 Assessment
FRANKLIN	MO6292800	WAYSIDE SOUTH	Failure to Conduct Level 1 Assessment
GASCONADE	MO3031293	GASCONY VILLAGE	Failure to Conduct Level 1 Assessment
GREENE	MO5141078	ANDY DALTON SHOOTING RANGE TRN CT	Failure to Conduct Level 1 Assessment
JASPER	MO5241246	BEAGLE BAY RV HAVEN & CAMPGROUND	Failure to Conduct Level 1 Assessment
JEFFERSON	MO6182217	AMEREN U E RUSH ISLAND	Failure to Conduct Level 1 Assessment
JEFFERSON	MO6036274	ANTIRE VALLEY SUBD	Failure to Conduct Level 1 Assessment
JEFFERSON	MO6036042	FICKEN HILL SUBD	Failure to Correct Sanitary Defect
LACLEDE	MO5192285	MUNGER MOSS MOTEL	Failure to Conduct Level 1 Assessment
LAWRENCE	MO5292369	THE AUTO STOP	Failure to Conduct Level 1 Assessment
MADISON	MO4243350	TRAILS END RANCH CAMPGROUND	Failure to Correct Sanitary Defect
MADISON	MO4243350	TRAILS END RANCH CAMPGROUND	Failure to Correct Sanitary Defect
MCDONALD	MO5203363	THE OLD HOMESTEAD RV PARK	Failure to Conduct Level 1 Assessment
MILLER	MO3010240	ELDON PWS	Failure to Conduct Level 1 Assessment
MONITEAU	MO3024395	MONITEAU COUNTY PWSD 1	Failure to Conduct Level 1 Assessment
MONTGOMERY	MO6292898	JD STREETT 170	Failure to Conduct Level 1 Assessment
MORGAN	MO5213274	10-42 BAR & QUE	Failure to Conduct Level 1 Assessment
MORGAN	MO3212300	MAGGIES ON THE LAKE	Failure to Conduct Level 1 Assessment

MORGAN	MO5031454	MORGAN COUNTY PWSD 3	Failure to Conduct Level 1 Assessment
PETTIS	MO3048254	CRESTVIEW MHP	Failure to Correct Sanitary Defect
PETTIS	MO3248217	HAPPY ACRES	Failure to Conduct Level 1 Assessment
PHELPS	MO3024465	PHELPS COUNTY PWSD 1	Failure to Conduct Level 1 Assessment
PHELPS	MO3048123	STATELY MANSION MOBILE VILLA	Failure to Conduct Level 1 Assessment
PHELPS	MO3031211	SUGAR TREE CLUB	Failure to Conduct Level 1 Assessment
SALINE	MO2024557	SALINE COUNTY PWSD 3	Failure to Conduct Level 1 Assessment
ST CHARLES	MO6213205	WILDSCHUETZ BROTHERS FARM	Failure to Conduct Level 1 Assessment
ST LOUIS	MO6282400	TYSON RESEARCH CENTER	Failure to Conduct Level 1 Assessment
STONE	MO5199993	CREST LODGE RESORT	Failure to Conduct Level 1 Assessment
STONE	MO5193434	GLASS HAUS WEDDINGS	Failure to Conduct Level 1 Assessment
STONE	MO5190956	KIMBERLING COVE RESORT	Failure to Conduct Level 1 Assessment
STONE	MO5031103	KINGDOM HEIGHTS	Failure to Correct Sanitary Defect
STONE	MO5240839	LAKEVIEW CAMPGROUND LLC	Failure to Conduct Level 1 Assessment
STONE	MO5190957	SHADRACK RESORT	Failure to Conduct Level 1 Assessment
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Correct Sanitary Defect
TANEY	MO5243414	OZARK BEACH RESORT	Failure to Conduct Level 1 Assessment
TANEY	MO5048214	WALL EYE HAVEN MHP	Failure to Conduct Level 1 Assessment
WARREN	MO6036189	CEDAR GROVE VILLAGE SUBD	Failure to Conduct Level 1 Assessment
WASHINGTON	MO4283058	WASHINGTON COUNTY KNIGHTS OF COLU	Failure to Conduct Level 1 Assessment
WAYNE	MO4010640	PIEDMONT PWS	Failure to Correct Sanitary Defect
WEBSTER	MO5248116	CAMP ARROWHEAD	Failure to Correct Sanitary Defect
WEBSTER	MO5010575	NIANGUA PWS	Failure to Conduct Level 1 Assessment
WEBSTER	MO5182621	XPO LOGISTICS	Failure to Conduct Level 1 Assessment

Appendix A - Health Based Compliance

III. Revised Total Coliform Rule - Level 1 and Level 2 Assessment

Since the transition to the Revised Total Coliform Rule April 1, 2016, the following systems have exceeded the coliform treatment technique trigger - triggering an assessment on more than one occasion in 2024. These assessments are triggered for the following reasons: systems collecting 40 or more samples per month exceeding 5.0% total-coliform positive samples for the month, systems collecting fewer than 40 samples per month having two or more coliform-positive samples for the month, failing to collect every required repeat sample after any coliform-positive sample or incurring an E.coli MCL violation.

County	ID#	System Name	Assessments
BARRY	MO5243435	CAMP EAGLE ROCK	2
BARRY	MO5210653	MITCHELLS PLAZA	2
BARRY	MO5270216	MT OLIVE BAPTIST CHURCH	2
CAMDEN	MO3281045	ETHNOS360 INC	2
CAMDEN	MO3253422	RY ZEN SUN ASSOCIATION	2
CEDAR	MO5172802	AGAPE LAND MANAGEMENT	2
CHRISTIAN	MO5172506	MIGHTY MARVELS ADVENTURE ACAD	3
CRAWFORD	MO6010200	CUBA PWS	3
DADE	MO5251579	ONSTOTT ORAHOOD SUBD	3
DALLAS	MO5283421	DOLLAR GENERAL #25913 BUFFALO	2
DOUGLAS	MO5010040	AVA PWS	2
GASCONADE	MO3031293	GASCONY VILLAGE	2
GASCONADE	MO6010702	ROSEBUD PWS	2
GREENE	MO5271629	HOME OF GOD CHRISTIAN CHURCH	2
GREENE	MO5182849	JM & M INVESTMENTS	2
GREENE	MO5036304	PEMBROOK VILLAGE SUBD	2
HICKORY	MO5251481	WINDMILL POINT	2
HOWELL	MO4273178	SILVER SPRINGS RV PARK	3
LACLEDE	MO5192285	MUNGER MOSS MOTEL	2
LAWRENCE	MO5271720	AURORA WARD LDS CHURCH	2
LAWRENCE	MO5213394	CHIQUIS COCINA RESTAURANT	2
LAWRENCE	MO5041314	YOUNGBERG ESTATES MHP	2
LINCOLN	MO6024340	LINCOLN COUNTY PWSD 1	3
MCDONALD	MO5203363	THE OLD HOMESTEAD RV PARK	3
MILLER	MO3243421	CJ RV PARK	2
MILLER	MO5162714	MILLER COUNTY HEALTH CENTER	2
MORGAN	MO3253389	FRIEDRICH ADDITIONS 3 AND 4	2
MORGAN	MO3010783	SYRACUSE PWS	2
PULASKI	MO3024491	PULASKI COUNTY PWSD 2	2
REYNOLDS	MO4240177	SHERWOOD FOREST CAMP	2
SCOTT	MO4183369	RESSELS WATER COOP	2
SHANNON	MO4248525	JASON PLACE CAMPGROUND	2
ST CHARLES	MO6010657	PORTAGE DES SIOUX PWS	2
ST CHARLES	MO6163066	TOWNE PARK	2
ST CHARLES	MO6213205	WILDSCHUETZ BROTHERS FARM	2

ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	4
STONE	MO5250537	ANGLERS BEND UNIT 2	2
STONE	MO5190935	BAVARIAN VILLAGE RESORT	2
STONE	MO5273427	EDGEWATER COMMUNITY CHURCH	2
STONE	MO5031353	FOREST GLEN QUAIL RIDGE SUBD	3
STONE	MO5251628	GRANDVIEW ACRES SUBD	2
STONE	MO5253017	HER LOY ESTATES SUBDIVISION	2
STONE	MO5036250	OAK SHADOWS WATER ASSN	2
STONE	MO5218045	OZARK MOUNTAIN PIZZA	3
TANEY	MO5191015	DRIFTWATER RESORT LLC	3
TANEY	MO5243414	OZARK BEACH RESORT	2
TEXAS	MO4010674	RAYMONDVILLE PWS	2
WASHINGTON	MO6180585	REED LUMBER COMPANY LLC	2
WASHINGTON	MO4283058	WASHINGTON COUNTY KNIGHTS OF COLUMBUS	2
WEBSTER	MO5046368	LAZY J RV PARK	2
WRIGHT	MO5010351	HARTVILLE PWS	3

Appendix A: Health Based Compliance

IV. Radiological MCL Violations

County	ID#	System Name	Chemical
JEFFERSON	MO6036101	FRONTIER ESTATES	COMBINED RADIUM (-226 & -228)
LINCOLN	MO6036375	RIDGECREST SUBDIVISION	GROSS ALPHA, EXCL. RADON & U
LINCOLN	MO6036375	RIDGECREST SUBDIVISION	COMBINED RADIUM (-226 & -228)
LINCOLN	MO6010902	SILEX PWS	COMBINED RADIUM (-226 & -228)
LINCOLN	MO6036279	SUMMERHAVEN SUBDIVISION	COMBINED RADIUM (-226 & -228)
LINCOLN	MO6031193	TARA VALLEY HOMEOWNERS ASSN	COMBINED RADIUM (-226 & -228)
ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	COMBINED RADIUM (-226 & -228)
ST FRANCOIS	MO4010456	LEADWOOD PWS	COMBINED RADIUM (-226 & -228)
STE GENEVIEVE	MO4256181	LAKE SEVEN FALLS ASSN INC	COMBINED RADIUM (-226 & -228)

V. Chemical MCL Violations

County	ID#	System Name	Chemical
ANDREW	MO1010757	ROSENDALE PWS	TOTAL TRIHALOMETHANE (TTHM)
BATES	MO1021160	BATES COUNTY PWSD 7	TOTAL HALOACETIC ACIDS (HAA5)
CALDWELL	MO1010342	HAMILTON PWS	TOTAL TRIHALOMETHANE (TTHM)
CAPE GIRARDEAU	MO4283342	VERDESIA INC	ARSENIC
CASS	MO1010174	CLEVELAND PWS	TOTAL HALOACETIC ACIDS (HAA5)
CASS	MO1010174	CLEVELAND PWS	TOTAL TRIHALOMETHANE (TTHM)
HENRY	MO1010205	DEEPWATER PWS	TOTAL HALOACETIC ACIDS (HAA5)
HENRY	MO1021071	HENRY COUNTY PWSD 1	TOTAL HALOACETIC ACIDS (HAA5)
HOLT	MO1011182	BIG LAKE VILLAGE OF PWS	TOTAL TRIHALOMETHANE (TTHM)
IRON	MO4010402	MO AMERICAN IRONTON	TOTAL HALOACETIC ACIDS (HAA5)
IRON	MO4010402	MO AMERICAN IRONTON	TOTAL TRIHALOMETHANE (TTHM)
MERCER	MO2010515	MERCER PWS	TOTAL TRIHALOMETHANE (TTHM)
MONROE	MO2010538	MONROE CITY PWS	TOTAL TRIHALOMETHANE (TTHM)
NODAWAY	MO1010508	MARYVILLE PWS	CHLORITE
PIKE	MO2010479	LOUISIANA PWS	TOTAL HALOACETIC ACIDS (HAA5)
PIKE	MO2010479	LOUISIANA PWS	TOTAL TRIHALOMETHANE (TTHM)
SCOTT	MO4011179	BLODGETT PWS	TOTAL HALOACETIC ACIDS (HAA5)
SCOTT	MO4011179	BLODGETT PWS	TOTAL TRIHALOMETHANE (TTHM)
SHELBY	MO2010390	HUNNEWELL PWS	TOTAL HALOACETIC ACIDS (HAA5)
SHELBY	MO2010390	HUNNEWELL PWS	TOTAL TRIHALOMETHANE (TTHM)
ST FRANCOIS	MO4069041	FARMINGTON CORRECTIONAL CENTER	TOTAL TRIHALOMETHANE (TTHM)
SULLIVAN	MO2181076	SMITHFIELD FRESH MEATS CORP	TOTAL TRIHALOMETHANE (TTHM)

Appendix A: Health Based Compliance

IV. Surface Water Violations

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements in the months or annual period indicated.

County	ID#	System Name	Period	Violation
BARTON	MO5010446	LAMAR PWS	September	Routine Monitoring
BATES	MO1010682	RICH HILL PWS	July	Combined Filter Effluent Turbidity
CASS	MO1010024	ARCHIE PWS	January, May, October	Routine Monitoring
CASS	MO1010349	HARRISONVILLE PWS	December	Routine Monitoring
DEKALB	MO1010510	MAYSVILLE PWS	August - November	Combined Filter Effluent Turbidity
JACKSON	MO1010921	UNITY VILLAGE	October	Routine Monitoring
LAFAYETTE	MO1010184	CONCORDIA PWS	March	Routine Monitoring
NEWTON	MO5010560	NEOSHO PWS	October	Routine Monitoring
NODAWAY	MO1024428	NODAWAY COUNTY PWSD 1	September, October	Failure to Address Deficiency
PERRY	MO4010636	PERRYVILLE PWS	June	Routine Monitoring
PIKE	MO2010479	LOUISIANA PWS	June	Routine Monitoring
PLATTE	MO1024476	PLATTE COUNTY PWSD 2	January - December	Failure to Address Deficiency
SCOTLAND	MO2010513	MEMPHIS PWS	May, November	Routine Monitoring
ST FRANCOIS	MO4240120	S F SCOUT RANCH	January, May	Routine Monitoring
WAYNE	MO4010640	PIEDMONT PWS	March, September	Routine Monitoring
WAYNE	MO4010640	PIEDMONT PWS	January - March	Failure to Address Deficiency

Appendix A - Health Based Compliance

VII. Groundwater Rule - Treatment Technique Violations

County	ID#	System Name	Violation Type
CAMDEN	MO3218029	CARDINAL COVE	Failure to Address Deficiency
CAMDEN	MO3190205	LAKE FOREST PROPERTY OWNERS	Failure to Address Deficiency
CAMDEN	MO3212446	RED FOX BAR & GRILL	Failure to Address Deficiency
CEDAR	MO5024120	CEDAR COUNTY PWSD 1	Failure to Address Deficiency
DADE	MO5010025	ARCOLA PWS	Failure to Address Deficiency
DUNKLIN	MO4024206	DUNKLIN COUNTY PWSD 1	Failure to Address Deficiency
FRANKLIN	MO6010568	NEW HAVEN PWS	Failure to Address Deficiency
FRANKLIN	MO6010838	WASHINGTON PWS	Failure to Address Deficiency
GASCONADE	MO3031167	BLACK FOREST HOA INC NO 2	Failure to Address Deficiency
HARRISON	MO1024242	HARRISON COUNTY PWSD 2	Failure to Address Deficiency
HICKORY	MO5293126	ALPS GROCERY PITTSBURG	Failure to Maintain Microbial Treatment
JEFFERSON	MO6036042	FICKEN HILL SUBD	Failure to Address Deficiency
JEFFERSON	MO6036271	RAINTREE PLANTATION	Failure to Address Deficiency
LAWRENCE	MO5010941	FREISTATT PWS	Failure to Address Deficiency
LAWRENCE	MO5048294	JAMESTOWNE MHP	Failure to Maintain Microbial Treatment
LAWRENCE	MO5048294	JAMESTOWNE MHP	Failure to Maintain Microbial Treatment
LAWRENCE	MO5048294	JAMESTOWNE MHP	Failure to Maintain Microbial Treatment
LINCOLN	MO6041286	HOMETOWN COURT	Failure to Address Deficiency
LINCOLN	MO6182514	NORTH TROY BUSINESS PARK	Failure to Address Deficiency
LINCOLN	MO6031327	QUAIL RUN MHP	Failure to Address Deficiency
LINCOLN	MO6031493	ROCKPORT SUBDIVISION	Failure to Address Deficiency
LINCOLN	MO6036279	SUMMERHAVEN SUBDIVISION	Failure to Address Deficiency
LIVINGSTON	MO2024353	LIVINGSTON COUNTY PWSD 2	Failure to Address Deficiency
MISSISSIPPI	MO4010018	ANNISTON PWS	Failure to Address Deficiency
MISSISSIPPI	MO4010067	BERTRAND PWS	Failure to Maintain Microbial Treatment
MISSISSIPPI	MO4010876	WYATT PWS	Failure to Maintain Microbial Treatment
MONITEAU	MO2273113	CHURCH OF LATTER DAY SAINTS TIPTON BRANC	Failure to Maintain Microbial Treatment
MONITEAU	MO2273113	CHURCH OF LATTER DAY SAINTS TIPTON BRANC	Failure to Maintain Microbial Treatment
MONTGOMERY	MO6010364	HIGH HILL PWS	Failure to Address Deficiency
MORGAN	MO5213274	10-42 BAR & QUE	Failure to Address Deficiency
MORGAN	MO3041171	ZWANZIG MHP	Failure to Address Deficiency
NEW MADRID	MO4010468	LILBOURN PWS	Failure to Address Deficiency
NEW MADRID	MO4010468	LILBOURN PWS	Failure to Address Deficiency
NEW MADRID	MO4010626	PARMA PWS	Failure to Address Deficiency
OSAGE	MO3010155	CHAMOIS PWS	Failure to Address Deficiency
PERRY	MO4036132	PORT PERRY SERVICE	Failure to Address Deficiency
PETTIS	MO3190887	BUDGET INN	Failure to Address Deficiency
PETTIS	MO3048254	CRESTVIEW MHP	Failure to Address Deficiency

PETTIS	MO3048254	CRESTVIEW MHP	Failure to Address Deficiency
PETTIS	MO3048254	CRESTVIEW MHP	Failure to Address Deficiency
PETTIS	MO3048254	CRESTVIEW MHP	Failure to Address Deficiency
PETTIS	MO3069089	STONE RIDGE VILLAGE	Failure to Address Deficiency
RIPLEY	MO4024523	RIPLEY COUNTY PWSD 2	Failure to Address Deficiency
RIPLEY	MO4024523	RIPLEY COUNTY PWSD 2	Failure to Address Deficiency
SCOTT	MO4031614	NEW HAMBURG CENTRAL	Failure to Address Deficiency
ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	Failure to Address Deficiency
ST FRANCOIS	MO4061660	CLUBB VILLA SENIOR LIVING	Failure to Address Deficiency
ST FRANCOIS	MO4071423	NEW HOPE RESIDENTIAL CARE INC	Failure to Maintain Microbial Treatment
STODDARD	MO4024582	STODDARD COUNTY PWSD 2	Failure to Address Deficiency
STONE	MO5199993	CREST LODGE RESORT	Failure to Address Deficiency
STONE	MO5031145	MELODY MANOR SUBDIVISION	Failure to Address Deficiency
STONE	MO5030473	STARLIGHT VILLAGE	Failure to Address Deficiency
TANEY	MO5243414	OZARK BEACH RESORT	Failure to Address Deficiency
TANEY	MO5048271	OZARK PARK ESTATES	Failure to Address Deficiency
TANEY	MO5031277	TWILITE HOME SITES	Failure to Address Deficiency
TEXAS	MO4010777	SUMMERSVILLE PWS	Failure to Maintain Microbial Treatment
TEXAS	MO4010777	SUMMERSVILLE PWS	Failure to Maintain Microbial Treatment
WARREN	MO6024406	MONTGOMERY CO PWSD 1	Failure to Address Deficiency
WASHINGTON	MO6048248	GRANDVIEW PLAZA MHP	Failure to Address Deficiency
WAYNE	MO4183421	KERRY INGREDIENTS	Failure to Address Deficiency
WEBSTER	MO5046368	LAZY J RV PARK	Failure to Address Deficiency

Appendix A: Health Based Compliance

VIII. Other Treatment Technique Violations

County	PWS ID #	System Name	Violation
DUNKLIN	MO4010732	SENATH PWS	QUALIFIED OPERATOR FAILURE
HICKORY	MO5010197	CROSS TIMBERS PWS	QUALIFIED OPERATOR FAILURE
JASPER	MO5010723	SARCOXIE PWS	QUALIFIED OPERATOR FAILURE
JEFFERSON	MO6041162	BIG VALLEY COURT	QUALIFIED OPERATOR FAILURE
JEFFERSON	MO6180934	RIVER CEMENT COMPANY	QUALIFIED OPERATOR FAILURE
LAFAYETTE	MO1010839	WAVERLY PWS	QUALIFIED OPERATOR FAILURE
NEW MADRID	MO4010468	LILBOURN PWS	QUALIFIED OPERATOR FAILURE
OSAGE	MO3010155	CHAMOIS PWS	QUALIFIED OPERATOR FAILURE
ST CHARLES	MO6180570	MEMC LLC	QUALIFIED OPERATOR FAILURE
ST CHARLES	MO6182491	NATIONAL CART COMPANY	QUALIFIED OPERATOR FAILURE
STONE	MO5030473	STARLIGHT VILLAGE	QUALIFIED OPERATOR FAILURE
STONE	MO5201957	SILVER DOLLAR CITY MARVEL CAVE	QUALIFIED OPERATOR FAILURE
TANEY	MO5031277	TWILITE HOME SITES	QUALIFIED OPERATOR FAILURE
TANEY	MO5048271	OZARK PARK ESTATES	QUALIFIED OPERATOR FAILURE

APPENDIX B

Chronic Major Monitoring Violators

The following systems had three or more major monitoring violations of the Revised Total Coliform Rule in 2024.

<u>County</u>	<u>System Name</u>	<u>PWS ID #</u>	<u>Months</u>
BARRY	MT OLIVE BAPTIST CHURCH	MO5270216	July – December
BARRY	OFFICE PUB & STEAKHOUSE	MO5211851	January – March
BENTON	JESTERS HOUSE	MO1212836	March, October, November
CAMDEN	FISH & COMPANY	MO3212312	July, August, October
CAMDEN	LITTLE NIANGUA CAMPGROUND	MO5242623	May, June, August
CAMDEN	Z7 TRADING POST	MO3292426	January, September, November
DUNKLIN	CARDWELL PWS	MO4010137	January, March, April
GREENE	COLONIAL LODGE LLC	MO5192051	June, July, October, November
HICKORY	OLIVE POINT BAPTIST CHURCH	MO5273426	February, April – December
JEFFERSON	LIFE STYLE MHP	MO6048150	October – December
JEFFERSON	PINE HOLLOW	MO6203327	January, March, November
LACLEDE	MUNGER MOSS MOTEL	MO5192285	June, October, November
LAWRENCE	FELLOWSHIP BAPTIST CHURCH	MO5273449	September, October, December
LINCOLN	RIDGECREST SUBDIVISION	MO6036375	April, May, October, November
MCDONALD	ELK O VUE RIVER PARK MHP	MO5041094	June, September, November
MILLER	CEDAR JUNCTION	MO5292911	June – August
MILLER	MUDDY BOTTOMS BAR & GRILL	MO3212296	March, April, June, July, November
MORGAN	SAFE HAVEN MENNONITE CHURCH	MO5273106	August, October, November
NEW MADRID	NEW MADRID COUNTY PWS # 6	MO4021610	September, November, December
OZARK	MILLERS KOUNTRY STORE	MO5292636	March, May-July, September, November, December
PETTIS	CRESTVIEW MHP	MO3048254	May – December
PETTIS	HAPPY ACRES	MO3248217	April, May, November
POLK	HOME COURT ADVANTAGE	MO5069073	August, November, December
PULASKI	CHARITY PWS	MO3036361	March – June, November, December
PULASKI	MISTY MOUNTAIN PWS	MO3036363	March – June
PULASKI	ROLLING HILLS PWS	MO3036362	March – June, October, November
SALINE	SWEET SPRINGS PWS	MO2010780	May, July, August, October
SCOTT	NEW HAMBURG CENTRAL	MO4031614	January – September
ST CHARLES	WILDSCHUETZ BROTHERS FARM	MO6213205	February, August, October
STONE	CREST LODGE RESORT	MO5199993	May, June, August
STONE	KIMBERLING AREA SENIOR CENTER	MO5282512	February, March, July, August, December
STONE	MILLIE JOS RESTAURANT & CO STORE	MO5213070	January, March, May
STONE	PINES COMMUN CHRISTIAN CHURCH	MO5273118	May, July, November
STONE	STARLIGHT VILLAGE	MO5030473	January – June, August
STONE	THE LODGES AT TABLE ROCK RESORT	MO5193359	March – August, November
STONE	VICTORY POINTE RESORT	MO5193346	January, June, July, August, December
STONE	WHITE OAK STATION # 6	MO5258122	May, June, October, December
TANEY	OZARK BEACH RESORT	MO5243414	January, February, April, May, July, September
TANEY	OZARK PARK ESTATES	MO5048271	January – October, December
TANEY	TANEYCOMO HIGHLANDS SUBD INC	MO5031159	January, March, August, November
WAYNE	CAMP ALLEN	MO4240178	March, May, September, November
WEBSTER	GREATER LIFE APOSTOLIC CHURCH	MO5272948	March, April, December

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